

source 1. 27 /organism="unknown"
BASE COUNT 4 a 4 c 10 g 9 t
ORIGIN

Query Match 1.1%; Score 27; DB 6; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.9e+05;
Matches 27; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
FEATURES

Qy 827 ATACAGATTCGACAGCACCACTAG 853
Db 27 ATACAGATTCGACAGCACCACTAG 1

RESULT 2
LOCUS AR197601/C
DEFINITION Sequence 686 from patent US 6332829.
ACCESSION AR197601.1
VERSION GI:20247450
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
FEATURES 1. (bases 1 to 27)
AUTHORS Chenchik,A., Jokhadze,G. and Bibilashvili,R.
TITLE Methods of assaying differential expression
Patent: US 6332829 A 686 05-MAR-2002;
JOURNAL
Location/Qualifiers

source 1. 27 /organism="unknown"
BASE COUNT 4 a 4 c 10 g 9 t
ORIGIN

Query Match 1.1%; Score 27; DB 6; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.9e+05;
Matches 27; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
FEATURES

Qy 827 ATACAGATTCGACAGCACCACTAG 853
Db 27 ATACAGATTCGACAGCACCACTAG 1

RESULT 3
LOCUS AR090565
DEFINITION Sequence 685 from patent US 59394076.
ACCESSION AR090565
VERSION GI:10017320
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
FEATURES 1. (bases 1 to 26)
AUTHORS Chenchik,A., Jokhadze,G. and Bibilashvili,R.
TITLE Methods of assaying differential expression
Patent: US 5934076 A 685 30-NOV-1999;
JOURNAL
Location/Qualifiers

source 1. 26 /organism="unknown"
BASE COUNT 9 a 5 c 9 g 3 t
ORIGIN

Query Match 1.1%; Score 26; DB 6; Length 26;
Best Local Similarity 100.0%; Pred. No. 7.7e+05;
Matches 26; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
FEATURES

Qy 507 GCACAGGAGTCGACAGGATTGAGCA 532
Db 1 GCACAGGAGTCGACAGGATTGAGCA 26

RESULT 4 ▲
LOCUS AR197600
DEFINITION Sequence 685 from patent US 6352894.
ACCESSION AR197600.1
VERSION GI:20247449
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
FEATURES 1. (bases 1 to 26)
AUTHORS Chenchik,A., Jokhadze,G. and Bibilashvili,R.
TITLE Methods of assaying differential expression
Patent: US 6352829 A 685 05-MAR-2002;
JOURNAL
Location/Qualifiers

source 1. 26 /organism="unknown"
BASE COUNT 9 a 5 c 9 g 3 t
ORIGIN

Query Match 1.1%; Score 26; DB 6; Length 26;
Best Local Similarity 100.0%; Pred. No. 7.7e+05;
Matches 26; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
FEATURES

Qy 507 GCACAGGAGTCGACAGGATTGAGCA 532
Db 1 GCACAGGAGTCGACAGGATTGAGCA 26

RESULT 5
LOCUS ECOINSW
DEFINITION E.Coli insertion site for transposon Tn1545.
ACCESSION M31752
VERSION M31752.1
KEYWORDS
SOURCE E. coli DNA.
ORGANISM Escherichia coli
Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
Escherichia. Caillaud,F. and Courvalin,P.
FEATURES transposon Tn1545
JOURNAL Mol. Gen. 209 (1), 110-115 (1987)
MEDLINE 88038347
PUBMED 2823065
KEYWORDS 1. 49
/organism="Escherichia coli"
/db_xref="Taxon:562"
source 1. 26 /organism="Escherichia coli"
BASE COUNT 12 a 10 c 0 g 27 t
ORIGIN

Query Match 1.0%; Score 25; DB 1; Length 49;
Best Local Similarity 75.6%; Pred. No. 1.1e+06;
Matches 31; Conservative 0; Mismatches 10; Indels 0;
Gaps 0;
FEATURES

Qy 2300 CAATTTGGATGGATCTTACAAACATTTTGTTC 2340
Db 8 CAACATTCTCTTTTATTTAAATCATTTCTTC 48

RESULT 6
LOCUS M0041943/C
DEFINITION Mus musculus recombination between immunoglobulin heavy chain and c-myc.
ACCESSION 041943
VERSION 041943.1
KEYWORDS house mouse strain-BALB/cAn.
SOURCE Mus musculus
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

REFERENCE 1 (bases 1 to 50)
 AUTHORS Muller, J.P.
 TITLE Direct Submission
 JOURNAL Submitted (05-DEC-1995) Jürgen R. Müller, Lab of Genetics, NIH/NCI, Bldg. 37, Room 2809, 37 Convent Dr., Bethesda, MD 20892-4255, USA
 FEATURES Location/Qualifiers 1..50
 SOURCE /organism="Mus musculus"
 /strain="BALB/cAn"
 /db_xref="taxon:10090"
 /chromosome="T12:15"
 /map="T12f1:15322"
 /tissue_type="Payer's Patch 7 days post pristane"
 /dev_stage="7 days post pristane"
 BASE COUNT 12 a
 ORIGIN 18 g 9 t
 Query Match 0.9%; Score 23.2; DB 10; Length 50;
 Best Local Similarity 77.8%; Pred. No. 2.6e+06;
 Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
 Qy 1473 CAGAATTACCCACCCCTTGACTTGAGCTTGATG 1508
 Db 37 CAGATCTACCCACCCCTTGACTTGAGCTTGAGCTG 2
 RESULT 7
 LOCUS AX161232/c
 DEFINITION Sequence 4560 from Patent WO0140521.
 ACCESSION AX161232
 VERSION 1
 KEYWORDS human
 SOURCE Homo sapiens
 ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 50)
 AUTHORS Shimkets, R.A. and Leach, M.
 TITLE Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
 JOURNAL Patent: WO 0140521-A 07-JUN-2001;
 Curagen Corporation (US)
 Location/Qualifiers 1..50
 SOURCE /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /26..26
 misc_feature /note="Nucleotide deleted between bases 25 and 26
 Accession number CG44931986"
 BASE COUNT 15 a
 ORIGIN 15 c
 Query Match 0.9%; Score 22.4; DB 6; Length 50;
 Best Local Similarity 66.7%; Pred. No. 3.7e+06;
 Matches 32; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
 Qy 2310 ATTTCATCTTACAAACATTTTGTTCTCTGTAAAGAGTC 2357
 Db 1 ATTTCATCTTACAAACATTTTGTTCTCTGTAAAGAGTC 48
 RESULT 9
 LOCUS AX483407/c
 DEFINITION Sequence 707 from Patent WO02053728.
 ACCESSION AX483407
 VERSION 1
 KEYWORDS Roemer,T., Jiang, B., Boone,C., Busssey,H. and Ohisen,K.L.
 SOURCE Candida albicans
 ORGANISM Candida albicans
 Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; mitosporic Saccharomycetales; Candida.
 REFERENCE 1
 AUTHORS Gene disruption methodologies for drug target discovery
 TITLE Patent: WO 02053728-A 07-JUL-2002;
 JOURNAL Elitra Pharmaceuticals, Inc. (US)
 FEATURES Location/Qualifiers 1..43
 SOURCE /organism="Candida albicans"
 /db_xref="taxon:5476"
 BASE COUNT 6 a
 ORIGIN 13 c
 Query Match 0.9%; Score 22.2; DB 6; Length 43;
 Best Local Similarity 69.8%; Pred. No. 4.1e+06;
 Matches 30; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
 Qy 152 TGGAGTCAGCTGTACAGAGCTGAAACCACTATGCA 194.
 Db 43 TGGAGTCAGCTGTACAGAGCTGAAACCACTATGCA 1
 RESULT 10
 LOCUS AX319484/c
 DEFINITION Sequence 13 from Patent WO0182962.
 ACCESSION AX319484
 VERSION AX319484.1
 KEYWORDS Human immunodeficiency virus.
 SOURCE Human immunodeficiency virus.
 ORGANISM Viruses; Retroviridae; Lentivirus; Primate lentivirus group.
 REFERENCE 8
 LOCUS AX157048
 DEFINITION Sequence 376 from Patent WO0140521.
 ACCESSION AX157048
 VERSION AX157048.1
 KEYWORDS human
 SOURCE

Qy 443 GCGAAGGAAATCTCAAGGGCTTCCCTACAGGAAAT 484
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 7 GCGGGAAACTCCCTCAAGGAACTGCTCCGGGAGAAGT 48

 RESULT 15
 AX484546/c AX484546 43 bp DNA 1 linear PAT 16-AUG-2002
 LOCUS Sequence 1846 from Patent WO02053728.
 DEFINITION AX484546
 ACCESSION AX484546
 VERSION AX484546.1 GI:22318898
 KEYWORDS Candida albicans.
 ORGANISM Candida albicans.
 SOURCE Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
 Saccharomycetales; mitosporic Saccharomycetales; Candida.
 REFERENCE 1 Roemer,T., Jiang, B., Boone, C., Bussey, R. and Ohlsen, K.L.
 AUTHORS Gene disruption methodologies for drug target discovery
 TITLE Patent: WO 02053728 A 1846 11-JUL-2002;
 JOURNAL Eltira Pharmaceuticals, Inc. (US)
 FEATURES Location/Qualifiers
 1. 43 /organism="Candida albicans"
 SOURCE /db_xref="taxon:5416"
 BASE COUNT 12 a 6 c 4 g 21 t
 ORIGIN

Query Match 0.9% Score 21: DB 6; Length 43;
 Best Local Similarity 73.0%; Pct. No. 70+0%;
 Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1859 TAAATTAAAGCAAGTAAATAAGTACAAAGCATAT 1895
 ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 41 TAGTTAAACGCATTAACGAAATAAGATAAGCTTA 5

Search completed: March 9, 2003, 20:52:22
 Job time: 6232 secs

ALIGNMENT S

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

200

result	No.	Score	Query	Match	Length	DB	ID	Description	
								Human gene specific	Human map-related
c	1	27		1..1	27	24	ABK65598		
c	2	26.6		1..1	47	21	AAZ67081		
c	3	26		1..1	26	24	ABK65597		
c	4	24		1..0	34	24	ABL44868	CREB cDNA amplify	
c	5	24		1..0	34	24	ABL44870	CREB cDNA amplify	
c	6	23.4		1..0	31	19	AAV21195	Plasmid pRSV-REB3	
c	7	23.4		1..0	47	21	AA26615	Human map-related	
c	8	23		0..9	50	22	AAT77619		
c	9	22.6		0..9	50	22	AAT77611		
c	10	22		0..9	50	22	AAT77618		

Example 3: SEO ID No 6006: 1188: English.

CC conditions to enzymatically generate sub-population of NAS, where
 CC each gene specific primer has a sequence complementary to a distinct
 CC mRNA, and each labeled NA is generated using a single gene specific
 CC primer. The method is useful for producing a sub-population of labeled
 CC NAS which is useful for analysing the differences in the RNA profiles
 CC between several different physiological sources, where the method
 CC comprises producing subpopulation of labeled NAS for the different
 CC physiological sources comprising the populations for each physiological
 CC source to identify differences in the population, where the comparison
 CC is preferably performed by hybridising the labeled NAS for each of the
 CC distinct physiological sources to an array of probe NAS stably
 CC associated with the surface of a substrate to produce a hybridisation
 CC pattern for each of the sources, and comparing the patterns for each of
 CC the sources, where differential gene expression assays are
 CC utilised in differential expression analysis of diseased a normal
 CC tissue e.g. neoplastic or normal tissue, or different tissue or
 CC sub-tissue types. The present sequence is a human gene specific PCR
 CC primer used in the method of the invention.
 CC NcE: The sequence data for this patent did not form part
 CC of the printed specification, but was obtained in electronic
 CC format directly from USPTO at
 CC <http://wipo-seqdata.uspto.gov/sequence.html?docid=63582981>.

XX Sequence 26 3P: 9 A: 5 C: 9 G: 3 T: 0 Other:
 XX Query Match: 1.1%; Score: 26; DB: 24; Length: 26;
 XX Best Local Similarity: 100%; Pred. No.: 2.4e+04;
 XX Matches: 26; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

Qy 507 GCACCAAGGAGTGCAGAGATGAGA 532
 XX 1|||||||||||||||||||||||||
 Db 1 GCACCAAGGAGTGCAGAGATGAGA 26

RESULT 4
 ABL40868/c
 ID ABL40868 standard: DNA: 34 BP.
 AC ABL40868:
 XX DR 03-JUL-2002 (first entry)
 XX DE CREB cDNA amplifying primer #2
 XX Nucleic acid detection; transcription factor; cytosstatic; reporter gene;
 XX neuroprotective; cancer diagnosis; Li-Fraumeni syndrome; memory loss;
 XX CREB; PCR primer; ss.
 OS Synthetic.
 XX PN WO200229043-A1.
 XX DR 11-APR-2002.
 XX DE 28-SEP-2001; 2001WO-JP08576.
 XX PR 02-OCT-2000; 2000JP-0302100.
 XX PA (HELI-) HELIX RES INST.
 XX PI Oda T, Muramatsu M;
 XX PN WO200229043-A1.
 XX DR 11-APR-2002.
 XX DE 28-SEP-2001; 2001WO-JP08576.
 XX PR 02-OCT-2000; 2000JP-0302100.
 XX PA (HELI-) HELIX RES INST.

CC containing a vector expressing a fused protein of the transcription
 CC factor with an activator of this transcription factor and another vector
 CC containing a reporter gene; (b) separating cells; and (c) comparing the
 CC gene expression dose of the cells. The method is for identifying a target
 CC gene of transcription factor for isolation which is used for application
 CC in cancer diagnosis and drug development for e.g. Li-Fraumeni syndrome
 CC and long-term memory loss. With expression of the reporter gene as
 CC indication, the identification and isolation can be efficiently carried
 CC out because its enlarged expression dose in a cell is induced by the
 CC transcription factor. Sequences ABL40867-874 represents primers used in
 CC the course of the invention.

XX Sequence 34 BP: 10 A: 4 C: 10 G: 10 T: 0 Other:
 XX Query Match: 1.0%; Score: 24; DB: 24; Length: 34;
 XX Best Local Similarity: 100%; Pred. No.: 6.8e-04;
 XX Matches: 24; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

Qy 1077 CTTTACTGCCCCACAAATCAGATTA 1100
 DB 34 CTTTACTGCCCCACAAATCAGATTA 11

RESULT 5
 ABL40868/c
 ID ABL40870 standard: DNA: 34 BP.
 AC ABL40870:
 XX DR 03-JUL-2002 (first entry)
 XX DE CREB cDNA amplifying primer #4.
 XX Nucleic acid detection; transcription factor; cytosstatic; reporter gene;
 XX CREB; PCR primer; ss.
 OS Synthetic.
 XX PN WO200229043-A1.
 XX DR 11-APR-2002.
 XX DE 28-SEP-2001; 2001WO-JP08576.
 XX PR 02-OCT-2000; 2000JP-0302100.
 XX PA (HELI-) HELIX RES INST.
 XX PI Oda T, Muramatsu M;
 XX DR 2002-340106/37.
 XX PT Identifying target gene of transcription factor for isolation in cells
 XX with vectors expressing fused protein of transcription factor with its
 XX activator and specific reporter gene, useful in cancer diagnosis and
 XX long-term memory loss. With expression of the reporter gene as
 XX indication, the identification and isolation can be efficiently carried
 XX out because its enlarged expression dose in a cell is induced by the
 XX transcription factor. Sequences ABL40867-874 represents primers used in
 CC the course of the invention.

CC The invention relates to a method of detecting the target gene of a
 CC specific transcription factor. The method involves (a) supplying cells
 CC containing a vector expressing a fused protein of the transcription
 CC factor with an activator of this transcription factor and another vector
 CC containing a reporter gene; (b) separating cells; and (c) comparing the
 CC gene expression dose of the cells. The method is for identifying a target
 CC gene of transcription factor for isolation, which is used for application
 CC in cancer diagnosis and drug development for e.g. Li-Fraumeni syndrome
 CC and long-term memory loss. With expression of the reporter gene as
 CC indication, the identification and isolation can be efficiently carried
 CC out because its enlarged expression dose in a cell is induced by the
 CC transcription factor. Sequences ABL40867-874 represents primers used in
 CC the course of the invention.

52	31	CAGCCTGCTGAAGAACGACCGA	7
53	Sequence 34 BP; 10 A; 4 C; 10 G; 10 T; 0 other;		
54	Query Match Score 1.08; Best Local Similarity 100.0%; Pred. No. 6.0e+04; Length 34; Matches 24; Conservative 0; Mismatches 0; Indels 0; Caps 0;		
55	AAZ66915 standard; DNA; 47 BP.		
56	AAZ66915;		
57	ID AAZ66915		
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515</td			

RESULT 8
 AAI77619/c
 ID AAI77619 Standard; DNA; 50 BP.
 XX
 AC AAI77619;
 XX
 DT 09-NOV-2001 (first entry)
 DE Human silent SNP containing nucleic acid SEQ:4560.
 XX
 KW Human; single nucleotide polymorphism; SNP; genome; gene therapy;
 KW protein therapy; vaccine; probe; diagnostic assay; detection;
 KW quantitation; restorative therapy; polymorphic; ds.
 XX
 OS Homo sapiens.
 PN WO200140521-A2.
 XX
 PD 07-JUN-2001.
 XX
 PF 30-NOV-2000; 2000WO-US32758.
 XX
 PR 30-NOV-1999; 99US-0168138.
 PR 29-NOV-2000; 2000US-0728173.
 XX
 PA (CURA-) CURAGEN CORP.
 XX
 PT Shimkets RA, Leach M;
 PI XX
 DR WPI; 2001-356160/37.
 XX
 PT Polymorphic nucleic acid sequences, useful in genetic testing and
 PT therapy -
 XX
 PS Claim 1; Page 1906; 2653pp; English.
 XX
 CC AAI73060 to AAI79867 represent isolated human polymorphic polynucleotide
 CC sequences (I), which contain single nucleotide polymorphisms (SNPs).
 CC AAI53114 to AAI53139 represent peptides related to human polypeptide
 CC polynucleotide sequences. The sequences can be used in gene and protein
 CC therapy, and in vaccine production. (I) and the polypeptides encoded by
 CC them may be used in the prevention, diagnosis and treatment of diseases
 CC associated with inappropriate expression of polymorphic polypeptides.
 CC For example, (I) may be used to treat disorders by rectifying mutations
 CC or deletions in a patient's genome that affect the activity of
 CC polypeptides by expressing inactive proteins or to supplement the
 CC patients own production of polypept-de. Additionally, (I) and its
 CC complementary sequences may also be used as DNA probes in diagnostic
 CC assays to detect and quantitate the presence of similar nucleic acids
 CC in samples, and therefore which patients may be in need of restorative
 CC therapy. The polypeptides encoded by (I) may be used as antigens in the
 CC production of antibodies specific for polymorphic polypeptides. The
 CC antibodies may also be used to down regulate expression and activity.
 CC The antibodies may also be used as diagnostic agents for detecting the
 CC presence of polymorphic polypeptides in samples.

SQ Sequence 50 BP: 16 A: 4 C: 5 G: 25 T: 0 other:
 Query Match 0.9%; Score 23; DB 22; Length 50;
 Best Local Similarity 74.4%; Pred. No. 1.2e+05;
 Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
 Q7 1160 AAAGACAAAATAAACATTATTTCAAACATTCTT 1198
 Db 39 AATGGAAAAAAACCTGTTTGTAAATTCTT 1
 XX

RESULT 9
 AAI34381/c
 ID AAI34381 Standard; DNA; 50 BP.
 XX
 AC AAI34381;
 XX

RESULT 10
 AAI73435
 ID AAI73435 standard; DNA; 50 BP.
 XX
 AC AAI73435;
 XX
 DT 09-NOV-2001 (first entry)
 DE Human silent SNP containing nucleic acid SEQ:376.

XX Human; single nucleotide polymorphism; SNP; genome; gene therapy;
KW Protein therapy; vaccine; probe; diagnostic assay; detection;
KW Quantitation; restorative therapy; polymorphic; ds.
XX
OS *Homo sapiens*.
XX
PN WO00140521-A2.
XX
PR 07-JUN-2001.
PD
XX
PF 30-NOV-2000; 2000WO-US32758.
XX
PR 30-NOV-1999; 99US-0160138.
PR 29-NOV-2000; 2000US-0726173.
XX
PA (CURA-) CURAGEN CORP.
XX
PI Shimkets RA, Leach M;
XX
DR WPI: 2001-35616/37.
XX
PR Polymorphic nucleic acid sequences, useful in genetic testing and
PT therapy -
XX
Claim 1; Page 169; 2653PP; English.
XX
CC AAT73060 to AAT79867 represent isolated human polymorphic polynucleotide
CC sequences (I), which contain single nucleotide polymorphisms (SNPs).
CC AAT5114 to AAT5319 represent peptides related to human polymorphic
CC polynucleotide sequences. The sequences can be used in gene and protein
CC therapy, and in vaccine production. (I) and the polypeptides encoded by
CC them may be used in the prevention, diagnosis and treatment of diseases
CC associated with inappropriate expression of polymorphic polypeptides.
CC For example, (I) may be used to treat disorders by rectifying mutations
CC or deletions in a patient's genome that affect the activity of
CC polypeptides by expressing inactive proteins or to supplement the
CC patient's own production of polypeptide. Additionally, (I) and its
CC complementary sequence may also be used as DNA probes in diagnostic
CC assays to detect and quantitate the presence of similar nucleic acids
CC in samples, and therefore which patients may be in need of restorative
CC therapy. The polypeptides encoded by (I) may be used as antigens in the
CC production of antibodies specific for polymorphic polypeptides. The
CC antibodies may also be used to down regulate expression and activity.
CC The antibodies may also be used as diagnostic agents for detecting the
CC presence of polymorphic polypeptides in samples.
XX
SQ Sequence 50 BP; 15 A; 3 C; 6 G; 26 T; 0 other;
XX
PR Query Match Score 0.9%; Length 50;
Best Local Similarity 66.7%; Pred. No. 1.6e+05;
Matches 32; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
XX
Qy 2310 ATGGATCTTACAAACATTTCCTTCCTTCAAGAGTAGT 2357
Db 1 ATTTTTCTTCAAAATTTTAACTCAGAGGAG 48
XX
RESULT 11
ID AAT07082-C
XX
AC AAT07082 standard; DNA; 45 BP.
XX
DT 02-JUL-1996 (first entry)
XX
DE Primer ENDO.1, amplifies RNase P conjugate.
XX
KW Primer: RNase P conjugate; amplification; PCR; Endo.F1; Endo.P2;
KW sequence specific cleavage; gene therapy; pathogenic RNA;
KW viral transcript; RNA genome; disease-causing mRNA; oncogene; ss.
XX
OS Synthetic.
XX

XX
PN WO9532283-A1.
XX
PD 30-NOV-1995.
PF 23-MAY-1995; 95WO-US06519.
XX
PR 23-MAY-1994; 94US-0247776.
XX
PA (INDV) UNIV INDIANA FOUND.
XX
PI Frank DH, Harris ME, Pace NR;
XX
DR WPI: 1996-020578/02.
XX
PR RNase P RNA conjugates function as sequence-specific endonuclease(s)
PR - useful for gene therapy and study cf, e.g. viral activity in
PR vitro.
XX
PS Example; Page 14; 49PP; English.
XX
CC The sequences given in AAT07078-84 are primers which were used in the
CC construction of the RNase P conjugates of the invention. These
CC primers amplify the Endo.P1 and Endo.P2 genes. The conjugate also
CC includes an oligonucleotide which includes a predetermined sequence
CC complementary to and available for hybridization with a nucleotide
CC sequence of the target sequence. The conjugates cause sequence
CC specific cleavage of the target oligonucleotide. The conjugates are
CC useful in gene therapy for the selective degradation of pathogenic
CC RNA's such as viral transcripts or RNA genomes, or of disease-
CC causing mRNA's such as products of oncogenes.
XX
SQ Sequence 45 BP; 13 A; 9 C; 9 G; 14 T; 0 other;
XX
PR Query Match Score 0.9%; Length 45;
Best Local Similarity 77.1%; Pred. No. 1.7e+05;
Matches 27; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
XX
Qy 1823 TAACCCTACTGACGACAAAGCATGGATTGATT 1857
Db 38 TAACCCTACTGAACTATACTGACTCTATTAGATT 4
XX
RESULT 12
ID ABL40867 standard; DNA; 33 BP.
XX
AC ABL40867;
XX
DT 03-JUL-2002 (first entry)
XX
DE CREB cDNA amplifying primer #1.
XX
KW Nucleic acid detection; transcription factor; cytosolic; reporter gene;
KW neuroprotective; cancer diagnosis; Li-Fraumeni syndrome; memory loss;
KW CREB; PCR primer; ss.
XX
OS Synthetic.
XX
PN WO200229043-A1.
XX
PR 11-APR-2002.
XX
DT 28-SEP-2001; 2001WO-JP08576.
XX
DE CREB cDNA amplifying primer #1.
XX
KW (HELI-) HELIX RES INST.
XX
PI Oda T, Muramatsu M;
XX
DR WPI: 2002-340106/37.
XX

Identifying target gene of transcription factor for isolation in cells with vectors expressing fused protein of transcription factor with its activator and specific reporter gene, useful in cancer diagnosis and therapy -

Example 1: Page 12; 32PP: Japanese.

The invention relates to a method of detecting the target gene of a specific transcription factor. The method involves (a) supplying cells containing a vector expressing a fused protein of the transcription factor with an activator of this transcription factor and another vector containing a reporter gene; (b) separating the cells; and (c) comparing the gene expression dose of the cells. The method is for identifying a target gene of transcription factor for isolation, which is used for application in cancer diagnosis and drug development for e.g. Li Fraumeni syndrome and long-term memory loss. With expression of the reporter gene as indication, the identification and isolation can be efficiently carried out because its enlarged expression dose in a cell is induced by the transcription factor. Sequences ABL0867-874 represents primers used in the course of the invention.

Sequence 33 BP; 10 A; 6 C; 8 G; 9 T; 0 other;

Query Match 0.9%; Score 22; DB 24; Length 33;

Best Local Similarity 83.3%; Pred. No. 1.8e+05;

Matches 25; Conservative 0; Mismatches+5; Indels 0; Gaps 0;

Db 43 TAACTTATGACCATGATGAACTGAGCTGAGGAGA 32

RESULT 13
ABL0175/c
ID ABL0175/c Standard: DNA; 46 BP.
XX
AC ABL0175/c;
XX
DT 18-MAR-2002 (first entry)
XX
DE Human MSH2 /hMSH2/ intronic sequence SEQ ID NO:106.
XX
KW Human; MSH1; MSH2; hMSH1; hMSH2; variant gene; diagnosis; HNPCC; hereditary non-polyposis colorectal cancer; ds.
XX
OS Homo sapiens.
XX
PN US2001044916-A1.
XX
PD 22-NOV-2001.
XX
PP 22-OCT-1999; 99US-0426548.
XX
PR 22-OCT-1999; 98US-105160P.
XX
PA (ROBB/) ROBBINS D.
PA (LING/) LIN GOERKE J L.
PA (LING/) LIN J C.
XX
PI Robbins D, Lin Goerke JL, Ling JC;
XX
DR WPI; 2602-105577/14.

XX
PS Disclosure: Page 4; 36PP; English.

XX
PT New variants of the human MSH1 and MSH2 genes for diagnosing or determining a predisposition for hereditary non-polyposis colorectal cancer -

XX
PT Also described are: (1) a method for diagnosing or predicting

XX
PT susceptibility to hereditary non-polyposis colorectal cancer (HNPCC), comprising screening a DNA sample for the variant MSH1 or MSH2 gene

where presence of the variant indicates presence of, or susceptibility to HNPCC; (2) a method of identifying mutants in splice donor or acceptor sites of a human MSH1 gene, comprising sequencing splice donor or acceptor sites of the gene with intronic primers for the human MSH1 gene and analysing the sequence to identify any mutants; (3) a method of identifying mutants in splice donor or acceptor sites of a human MSH2 gene, comprising sequencing splice donor or acceptor sites of the gene with intronic primers for the human MSH2 gene and analysing the sequence to identify any mutants; and (4) a transgenic model system for colorectal cancer comprising cells expressing the variant MSH1 or MSH2 gene. The hMSH1 and hMSH2 variants are used to diagnose or determine a patients susceptibility to hereditary non polyposis colorectal cancer. ABL01648 to ABL01745 and ABL01746 to ABL01831 represent hMSH1 and hMSH2 gene fragments from the present invention. ABL01832 to ABL01839 represent mutagenic primers used in the exemplification of the present invention.

Sequence 46 BP; 14 A; 5 C; 4 G; 23 T; 0 other;

Query Match 0.9%; Score 22; DB 24; Length 46;

Best Local Similarity 73.7%; Pred. NC. 1.e+05;

Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1870 AAGTAGATAATAAAGTACAANGCTATTTAGTAGTAC 1907
||| |||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 43 AAAAAAAAAGCTACATTACAGATTCAGATTCAGATTC 6

RESULT 14
AAI171996/c
ID AAI171996 standard; DNA; 47 BP.
XX
AC AAI171996;
XX
DT 21-FEB-2002 (first entry)
XX
DB vCP1579 Primer HIVP100.

XX
Immunisation: Human Immunodeficiency Virus; HIV; envelope glycoprotein; priming antigen; booster antigen; attenuated; viral vector; primer; PCR; long terminal repeat; LTR; HIV-1; polymerase chain reaction; amplify; ss. KW
KW
KW
KW
KW
KW
OS Synthetic.
XX
PN WO200182962-A2.

XX
PD 08-NOV-2001.

XX
PP 25-APR-2001; 2001WO-CA00577.

XX
PR 27-APR-2000; 2000US-200011P.

XX
PA (AVET) AVENTIS PASTEUR LTD.

XX
PI Rovinski B, Tartaglia J, Cao S, Persson R, Klein MH;

XX
DR WPI; 2002-034490/04.

XX
PT Immunizing against Human Immunodeficiency Virus (HIV) using primary and booster antigens -

XX
PS Example 4; Page 16; 38PP; English.

XX
CC The sequences given in AAI171996-97 are primers which were used in the production of the recombinant poxvirus, vCP1579. vCP1579 contains the HIV-1 gag and protease genes derived from the HIV-1 isolate IRIB, the gp120 envelope sequences derived from the HIV-1 Bx08 isolate, and the gp100 envelope sequences encompassing the known human cytotoxic T lymphocyte (CTL) epitopes from HIV-1 Nef and Pol. vCP1579 may be used to immunise against Human Immunodeficiency Virus (HIV). The method of the invention for immunising against HIV infection uses priming (DNA encoding an envelope glycoprotein of a primary HIV-1 isolate) and booster antigens (non infectious, non-replicating immunogenic HIV-like

CC Particle comprising the env glycoprotein of primary HIV-1 isolate or
CC an attenuated viral vector that expresses the glycoprotein). The
CC attenuated viral vector vCP1579 encodes the boosting antigen and is
CC deficient in long terminal repeats (LTR's). The methods and vectors
CC are used to immunize patients against HIV-1 infection.

SQ Sequence 47 BP; 9 A; 15 C; 2 G; 21 T; 0 other;

Query Match 0.9%; Score 22; DB 24; Length 47;

Best Local Similarity 73.7%; Pred. No. 1.9e+03;
Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 968 AGAGTGTGAGAAAGAGAAAGATATGTGAAATGTT 1005

Db 47 AGAGTGGTGCAGAGAAAGATCATATGAT 10

Query Match 0.9%; Score 22; DB 24; Length 47;

Best Local Similarity 73.7%; Pred. No. 1.9e+03;
Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 968 AGAGTGTGAGAAAGAGAAAGATATGTGAAATGTT 1005

Db 47 AGAGTGGTGCAGAGAAAGATCATATGAT 10

Search completed: March 9, 2003, 19:08:20

Job time : 513 secs

RESULT 15

AAI1997

ID:RAI1997 Standard: DNA: 48 BP.

XX

AC AAI1997;

XX

DT 21-FEB-2002 (first entry)

XX

DE vCP1579 primer HIVP99.

XX

KW Immunisation: Human Immunodeficiency Virus; HIV; envelope glycoprotein;
KW priming antigen; booster antigen; attenuated; viral vector; primer; PCR;
KW long terminal repeat; LTR; HIV-1; polymerase chain reaction; amplification; ss.

OS Synthetic.

XX

PN WO200182962-A2.

XX

PD 08-NOV-2001.

XX

PP 25-APR-2001; 2001WO-CA00577.

XX

PR 27-APR-2000; 2000US-200011P.

XX

PA (AYET) AVVENTIS PASTEUR LTD.

XX

PI Rovinski B, Tartaglia J, Cao S, Persson R, Klein MH;

XX

DR WPI: 2002-034490/04.

XX

Pt Immunizing against Human Immunodeficiency Virus (HIV) using primary and
booster antigens.

XX

PS Example 4: Page 15; 18pp; English.

XX

CC The sequences given in AAI1986-97 are primers which were used in
CC the production of the recombinant poxvirus. vCP1579 contains
CC the HIV-1 gag and protease genes derived from the HIV-1 isolate IIIB,
CC the gp120 envelope sequences derived from the HIV-1 Ba28 isolate, and
CC sequences encoding a polypeptide encompassing the known human
CC cytotoxic T lymphocytes (CTL) epitopes from HIV-1 NEF and Pol. vCP1579
CC may be used to immunise against Human Immunodeficiency Virus (HIV). The
CC method of the invention for immunising against HIV infection uses primary
CC (DNA encoding an envelope glycoprotein of a primary HIV-1 isolate) and
CC booster antigens (non-infectious, non-replicating immunogenic HIV-like
CC particle comprising the env glycoprotein of primary HIV-1 isolate or
CC an attenuated viral vector that expresses the glycoprotein). The
CC attenuated viral vector vCP1579 encodes the boosting antigen and is
CC deficient in long terminal repeats (LTR's). The methods and vectors
CC are used to immunize patients against HIV-1 infection.

XX

SQ Sequence 48 BP; 21 A; 3 C; 15 G; 9 T; 0 other;

Query Match 0.9%; Score 22; DB 24; Length 48;
Best Local Similarity 73.7%; Pred. No. 1.9e+03;
Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 968 AGAGTGTGAGAAAGAGAAAGATATGTGAAATGTT 1005

Db 1 AGAGTGGTGCAGAGAAAGATCATATGAT 38

Ok nucleic - nucleic search, using sw model

Run on: March 9, 2003, 19:01:11 ; Search time 104 Seconds
 (Without alignments)
 7236.392 Million cell updates/sec

Title: US-09-973-827-3

Perfect score: 2454

Sequence: 1 cgcgcgaggcgtagttcg.....tctgtatgtgtatcat 2454

Scoring table: IDENTITY_NUC

Gapop 10.0 , capext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen Parameters: 609818

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum Match 0*

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA.*

1: /cgn2_6/picodata/1/ina/5A-COMB.seq: *
 2: /cgn2_6/picodata/1/ina/5B-COMB.seq: *
 3: /cgn2_6/picodata/1/ina/5A-COMB.seq: *
 4: /cgn2_6/picodata/1/ina/6A-COMB.seq: *
 5: /cgn2_6/picodata/1/ina/PCRSU.COMB.seq: *
 6: /cgn2_6/picodata/1/ina/backfiles1.seq: *

Pred. No. 1 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
C 1	27	1.1	27	2	US-09-859-998-686	Sequence 686, APP
C 2	27	27	4	0.09-225-928-886	Sequence 685, APP	
C 3	26	1.1	26	2	US-09-859-998-685	Sequence 685, APP
C 4	26	1.1	26	4	US-09-225-928-585	Sequence 685, APP
C 5	21	0.9	40	3	US-09-881-04-13	Sequence 60, APP
C 6	21	0.9	50	1	US-09-777-696-C-60	Sequence 60, APP
C 7	21	0.9	50	1	US-09-129-930-60	Sequence 60, APP
C 8	21	0.9	50	4	US-09-976-288A-60	Sequence 60, APP
C 9	20.8	0.8	43	4	US-09-187-800-5	Sequence 5, APP1
C 10	20.6	0.8	50	4	US-09-476-256-59	Sequence 21, APP1
C 11	20.6	0.8	44	4	US-09-349-44-13	Sequence 13, APP1
C 12	20.6	0.8	50	2	US-09-980-071-21	Sequence 21, APP1
C 13	20.6	0.8	50	2	US-09-757-536-21	Sequence 21, APP1
C 14	20.6	0.8	50	3	US-09-314-093-21	Sequence 21, APP1
C 15	20.6	0.8	50	3	US-09-150-848-21	Sequence 21, APP1
C 16	20.6	0.8	50	4	US-09-151-885-21	Sequence 21, APP1
C 17	20.6	0.8	40	4	US-09-337-635-21	Sequence 21, APP1
C 18	20.6	0.8	50	4	US-09-337-280-21	Sequence 21, APP1
C 19	20.6	0.8	50	6	518-076-16	Patent No. 518-076
C 20	20.4	0.8	40	1	US-07-441-940-23	Sequence 23, APP1
C 21	20.4	0.8	40	1	US-08-289-548A-23	Sequence 23, APP1
C 22	20.4	0.8	40	1	US-08-452-554-23	Sequence 23, APP1
C 23	20.4	0.8	40	1	US-08-452-658B-23	Sequence 23, APP1
C 24	20.4	0.8	40	3	US-08-150-582-23	Sequence 23, APP1
C 25	20.4	0.8	40	4	US-08-149-731-23	Sequence 206, APP
C 26	20.4	0.8	47	4	US-09-138-907-206	Sequence 206, APP
C 27	20.4	0.8	47	4	US-09-218-207-206	Sequence 206, APP

ALIGNMENTS

RESULT 1
 US-09-959-998-686/C
 Sequence 686, Application US/08853998
 ; Patent No. 594046
 ; GENERAL INFORMATION:
 APPLICANT: Chenchik, Alex
 APPLICANT: Jokhadze, George
 APPLICANT: Bilibashvili, Robert
 TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
 NUMBER OF SEQUENCES: 1375
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson, P.C.
 STREET: 2200 Sand Hill Road, Suite 100
 CITY: Menlo Park
 STATE: CA
 COUNTRY: US
 ZIP: 94025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows 95
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/859,998
 FILING DATE: 21-MAY-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Field, Brett E.
 REGISTRATION NUMBER: 37,620
 REFERENCE/DOCKET NUMBER: 09096/002001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-512-0070
 TELEFAX: 415-954-0875
 INFORMATION FOR SEQ ID NO: 686:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 27 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE: Other Information: Oligonucleotide primer
 US-08-059-998-986
 Query Match Score 27; DB 2; Length 27;
 Best Local Similarity 1.1%; Pred. No. 4e+02;
 100.0%; Pred. No. 100.0%;

RESULT 2
 S-09-2225-928-686/C
 Sequence 686, Application US/09225928
 Patent No. 635229
 GENERAL INFORMATION:
 APPLICANT: Chenchik, Alex
 JOkhadze, George
 Biliashvili, Robert
 TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL EXPRESSION OF SEQUENCES: 1375
 NUMBER OF SEQUENCES: 1375
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Fish & Richardson, P.C.
 STREET: 2200 Sand Hill Road, Suite 100
 CITY: Menlo Park
 STATE: CA
 COUNTRY: US
 ZIP: 94025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows 95
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/225,928
 FILING DATE: 05-Jan-1999
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/859,998
 FILING DATE: 21-MAY-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Field, Bret E.
 REGISTRATION NUMBER: 37,520
 REFERENCE/DOCKET NUMBER: 09096/002001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-322-5070
 INFORMATION FOR SEQ ID NO: 686:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 27 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE:
 OTHER INFORMATION: oligonucleotide primer
 SEQUENCE DESCRIPTION: SEQ ID NO: 686:
 S-09-2225-928-686
 Query Match 1.1%; Score 27; DB 4; Length 27;
 Best Local Similarity 100.0%; Pred. No. 4e-02;
 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 APPLICANT: Chenchik, Alex
 APPLICANT: JOkhadze, George
 APPLICANT: Biliashvili, Robert

RESULT 3
 S-08-859-998-685
 Sequence 685, Application US/08859998
 Patent No. 599076
 GENERAL INFORMATION:
 APPLICANT: Chenchik, Alex
 APPLICANT: JOkhadze, George
 APPLICANT: Biliashvili, Robert

APPLICATION NUMBER: US/09/225, 928
 FILING DATE: 05-Jan-1999
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/459, 998
 FILING DATE: 21 MAY 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Field, Bret E.
 REGISTRATION NUMBER: 37, 620
 REFERENCE/DOCKET NUMBER: 09096/002001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-522-5070
 INFORMATION FOR SEQ ID NO: 685:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 6 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE:
 OTHER INFORMATION: oligonucleotide primer
 US-09-225-928-685

Query Match 1.1%; Score 26; DB 4; Length 26;
 Best Local Similarity 100.0%; Pred. No. 76+02;
 Matches 26; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0;
 Qy 507 GCACAGAGTGCACAGGATGAGA 532
 Db 1 GCACAGAGTGCACAGGATGAGA 26

RESULT 5
 US-08-881-094-33
 Sequence 33. Application US/08881094A
 Patent No. 6022739
 GENERAL INFORMATION:
 CURRENT FILING DATE: 1997-07-09
 EARLIER APPLICATION NUMBER: 08/108, 887
 EARLIER FILING DATE: 199-09-19
 EARLIER APPLICATION NUMBER: PCT/US93/02428
 EARLIER FILING DATE: 1993-03-18
 EARLIER APPLICATION NUMBER: 07/885, 412
 EARLIER APPLICATION NUMBER: 07/528, 956
 EARLIER FILING DATE: 1990-05-25
 EARLIER APPLICATION NUMBER: PCT/US91/03685
 EARLIER FILING DATE: 1991-05-24
 NUMBER OF SEQ ID NOS: 43
 SEQ ID NO 33
 LENGTH: 40
 TYPE: DNA
 ORGANISM: Lycopersicon esculentum
 US-08-881-094-33

Query Match 0.9%; Score 21; DB 3; Length 40;
 Best Local Similarity 73.0%; Pred. No. 1.5+04;
 Matches 27; Conservative 0; Mismatches 10; Indels 0;
 Gaps 0;
 Qy 503 TGTGTCACAGGATGCCAAGGATGAGAAGAAG 539
 Db 4 TGATACACAGAAATACCAAAATGAGAACATGAGGAG 40

RESULT 6
 US-07-977-696C-60
 Sequence 60. Application US/07977696C
 Patent No. 579252
 GENERAL INFORMATION:
 APPLICANT: do Couto, Fernando J.R.
 Cariati Dr., Roberto L.
 APPLICANT: Peterson Dr., Jerry A.
 APPLICANT: Padlan Dr., Eduardo A.
 TITLE OF INVENTION: Analogue Peptides with Specificity for Carcinomas and Kit and Diagnostic Vaccination and Therapeutic Methods.
 NUMBER OF SEQUENCES: 81
 CORRESPONDENCE ADDRESS:
 ADDRESSE: PRETY, SCHROEDER & POPLANSKI
 STREET: 444 South Flower Street, Suite 2000
 CITY: Los Angeles
 STATE: California
 COUNTRY: USA
 ZIP: 90071
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS DOS 5.0
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/917, 696C
 FILING DATE: 11-16-92
 CLASSIFICATION:
 35
 ATTORNEY/AGENT INFORMATION:
 NAME: Amzel Ph.D. Viviana
 REGISTRATION NUMBER: 30,930
 REFERENCE/DOCKET NUMBER: P66 38227
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (510) 748-6868
 TELEFAX: (510) 748-6688
 TELEX:
 INFORMATION FOR SEQ ID NO: 60:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 50 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-07-977-696C-60
 Query Match 0.9%; Score 21; DB 1; Length 50;
 Best Local Similarity 73.0%; Pred. No. 1.6+04;
 Matches 27; Conservative 0; Mismatches 10; Indels 0;
 Gaps 0;
 Qy 953 CAGGGAGGAGGAGCTGAGTGTGCAAGAAAGAA 989
 Db 14 CAGGGAGGCGCTGAGTGGTGCAGAATTGAA 50

RESULT 7
 US-08-129-93CB-60
 Sequence 60. Application US/08129930B
 Patent No. 5804167
 GENERAL INFORMATION:
 APPLICANT: do Couto Dr., Fernando J.R.
 Cariati Dr., Roberto L.
 APPLICANT: Peterson Dr., Jerry A.
 APPLICANT: Padlan Dr., Eduardo A.
 TITLE OF INVENTION: Analogue Peptides With Broad Specificity, and Kit and Diagnostic Vaccination and Therapeutic Methods.
 TITLE OF INVENTION: Carcinoma Specificity, and Kit and Diagnostic Vaccination and Therapeutic Methods.
 NUMBER OF SEQUENCES: 96
 CORRESPONDENCE ADDRESS:
 STREET: 2055 No. 5804187th Broadway, Suite 201
 CITY: Walnut Creek

STATE: California
 COUNTY: USA
 ZIP: 94196
 COMPUTER READABLE FORM:
 COMPUTER TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS 5.0
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/129,930B
 FILING DATE: September 30, 1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Amel, Ph.D., Viviana
 REGISTRATION NUMBER: 30,930
 PRIORITY/DOCKET NUMBER: CRFCG-008A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (510) 521-1333
 TELEX: (510) 521-3541
 TELE: n.a.
 INFORMATION FOR SEQ ID NO: 60:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 50 base pairs
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: DNA (genomic)
 US-08-129,930B-60

Query Match 0.9% Score 21; DB 1; Length 50;
 Best Local Similarity 73.0%; Pred. No. 1.6e+04;
 Matches 27; Conservative 0; Mismatches 10; Indels 0;
 Gaps 0; Gaps 0;

Qy 953 CAGGGAACTGGCTCGAGCTGCTAGAAGAGAAA 989
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 Db 14 CAGGGAAAGGGCTTSAAGGGTCTGAAATTGAAA 50

RESULT 6
 US-08-973-827-3.1im50.rn1
 Sequence 60, Application US/08973-827-3.1im50.rn1
 Patent No. 6,315,997
 GENERAL INFORMATION:
 APPLICANT: do Couto Dr., Fernando J.R.
 APPLICANT: Ceriani Dr., Roberto L.
 APPLICANT: Peterson Dr., Jerry A.
 APPLICANT: Padian Dr., Eduardo A.
 TITLE OF INVENTION: Analogue Peptides With Broad
 TITLE OF INVENTION: Carcinoma Specificity, and Kit and
 TITLE OF INVENTION: Diagnostic Vaccination and
 TITLE OF INVENTION: Therapeutic Methods
 NUMBER OF SEQUENCES: 96
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pretty, Schroeder & Poplawski
 STREET: 444 South Flower St., 19th Floor
 CITY: Los Angeles
 STATE: California
 COUNTRY: USA
 ZIP: 90071

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS 5.0
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/973-827-3.1im50.rn1
 FILING DATE: No. 6,315,997ember 21, 1997
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/129,930
 FILING DATE: September 30, 1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/977,696

STATE: California
 COUNTY: USA
 ZIP: 94196
 COMPUTER READABLE FORM:
 COMPUTER TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS 5.0
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION INFORMATION:
 TELEPHONE: (213) 622-7700
 TELEFAX: (213) 489-4210
 TELEX: n.a.
 INFO FOR SEQ ID NO: 60:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 50 base pairs
 STRANDEDNESS: single
 TOPOLOGY: Linear
 MOLECULE TYPE: DNA (genomic)
 US-08-973-828A-60

Query Match 0.3% Score 21; DB 4; Length 50;
 Best Local Similarity 73.0%; Pred. No. 1.8e+04;
 Matches 27; Conservative 0; Mismatches 10; Indels 0;
 Gaps 0; Gaps 0;

Qy 953 CAGGGAACTGGCTCGAGCTGCTAGAAGAGAAA 989
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 Db 14 CAGGGAAAGGGCTTSAAGGGTCTGAAATTGAAA 50

RESULT 9
 US-09-387-800-5/c
 Sequence 5, Application US/09387-800
 Patent No. 6,280572
 GENERAL INFORMATION:
 APPLICANT: YASUEDA, Hisashi
 TITLE OF INVENTION: NOVEL ACTIVATOR FOR ALCOHOL DEHYDROGENASE AND GENE
 TITLE OF INVENTION: THEORE
 FILE REFERENCE: 0010-1036-0
 CURRENT APPLICATION NUMBER: US/09/387,800
 CURRENT FILING DATE: 1999-09-01
 EARLIER APPLICATION NUMBER: JP 10-248297
 EARLIER FILING DATE: 1998-09-02
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 5
 LENGTH: 43
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence:BS-YOKG1-1

Query Match 0.8% Score 20.8; DB 4; Length 43;
 Best Local Similarity 70.0%; Pred. No. 1.7e+04;
 Matches 28; Conservative 0; Mismatches 12; Indels 0;
 Gaps 0; Gaps 0;

Qy 1111 AACATTTTAAATTCTAAAGATCTTTTCTATGCC 1210
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 40 ATTTGTTTCTCTCTAAATGATTCATTTATCGATCCC 1

RESULT 10
 US-09-416-256-29
 Sequence 29, Application US/09416-256-29
 Patent No. 6,22559
 GENERAL INFORMATION:
 APPLICANT: Laboratory of Molecular Biophotonics
 TITLE OF INVENTION: Nucleic Acid Detection in Cytoplasm
 FILE REFERENCE: BPP99-02
 CURRENT APPLICATION NUMBER: US/09/416,256
 CURRENT FILING DATE: 1999-12-30
 NUMBER OF SEQ ID NOS: 29
 SEQ ID NO 29
 LENGTH: 40
 TYPE: DNA

ORGANISM: Artificial Sequence
 FEATURE: Probe
 OTHER INFORMATION: US-09-476-256-29

Query Match Score 20.6; DB 4; Length 40;
 Best Local Similarity 74.3%; Pred. No. 1. 9e+04;
 Matches 26; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 11329 GAAGAGACTTGTCTTCAACCCCCACCCCTTCCTC 1363
 Db 2 GATGAGATGCTGCTGCTGCCCCCCCCCCCC 36

RESULT 11
 US-09-349-644-13
 Sequence 13, Application US/09349644A
 Patent No. 6303340

GENERAL INFORMATION:
 APPLICANT: Pollitt, Stephen N.
 APPLICANT: Buckley, Douglas I.
 APPLICANT: Stathas, Peter A.
 APPLICANT: Hartman, Raymar E.
 TITLE OF INVENTION: METHOD FOR PRODUCING A PEPTIDE WITH A PI
 TITLE OF INVENTION: ABOVE 8 OR BELOW 5
 FILE REFERENCE: SC10.019A
 CURRENT APPLICATION NUMBER: US/09/349,644A
 CURRENT FILING DATE: 1999-07-08
 EARLIER APPLICATION NUMBER: 60/092,423
 EARLIER FILING DATE: 1998-07-10
 NUMBER OF SEQ ID NOS: 14
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 13
 LENGTH: 44

ORGANISM: E. coli
 US-09-349-644-13

Query Match Score 20.6; DB 4; Length 44;
 Best Local Similarity 74.3%; Pred. No. 2e+04;
 Matches 26; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 2112 TATATATTGTATGATATGTTACATGTAGAAA 2146
 Db 3 TTTTTTTTTTAAATGTTACATGAGAAA 37

RESULT 12
 US-08-980-071-21/c
 Sequence 21, Application US/08980071
 Patent No. 5943118

GENERAL INFORMATION:
 APPLICANT: Baum, James A.
 APPLICANT: Gilmer, Amy Jelen
 APPLICANT: Mettus, Anne-Marie Light
 TITLE OF INVENTION: TRANSGENIC PLANTS EXPRESSING
 TITLE OF INVENTION: LEPIDOPTERAN-ACTIVE-DELTA-ENDOTOXINS
 NUMBER OF SEQUENCES: 76
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: Texas
 COUNTRY: USA
 ZIP: 77210

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/757,536
 FILING DATE: CONCURRENTLY HERETO
 CLASSIFICATION: 800
 ATTORNEY/AGENT INFORMATION:
 NAME: Kitchell, Barbara S.
 REGISTRATION NUMBER: 33,928
 REFERENCE/DOCKET NUMBER: MOBT:023
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 TELEFAX: (512) 474-7577

INFORMATION FOR SEQ ID NO: 21:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 50 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

Query Match Score 20.6; DB 2; Length 50;
 Best Local Similarity 67.4%; Pred. No. 2.1e+04;

Matches 25; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1332 GAGACTCTGTTCAACCCGCCCTCAGAGATA 1374
 ||| ||| ||| ||| ||| ||| ||| ||| |||
 Db 50 GACATTAATCTGCAACCCCTGGTCCTCAAAATTACA 8

RESULT 14

US-09-314-093-21/c

; Sequence 21, Application US/09314093

; Patent No. 6033874

; GENERAL INFORMATION:

; APPLICANT: Baum, James A.

; APPLICANT: Gilmer, Amy Jelen

; APPLICANT: Mettus, Anne-Marie Light

; TITLE OF INVENTION: TRANSGENIC PLANTS EXPRESSING

; TITLE OF INVENTION: LEPIDOPTERAN-ACTIVE-DELTA-ENDOTOXINS

; NUMBER OF SEQUENCES: 76

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Arnold, White & Durkee

; CITY: Houston

; STATE: Texas

; COUNTRY: USA

; ZIP: 77210

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release 11.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/314.093

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US/09/314.093

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MECC:205

; TELEPHONE: 512/418-3000

; TELEFAX: 512/474-7577

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-09-314-093-21

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0., Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MECC:205

; TELEPHONE: 512/418-3000

; TELEFAX: 512/474-7577

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-09-250,848-21

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0., Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MECC:205

; TELEPHONE: 512/418-3000

; TELEFAX: 512/474-7577

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-09-250,848-21

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0., Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MECC:205

; TELEPHONE: 512/418-3000

; TELEFAX: 512/474-7577

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-09-250,848-21

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0., Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MECC:205

; TELEPHONE: 512/418-3000

; TELEFAX: 512/474-7577

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

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; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0., Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MECC:205

; TELEPHONE: 512/418-3000

; TELEFAX: 512/474-7577

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-09-250,848-21

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0., Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MECC:205

; TELEPHONE: 512/418-3000

; TELEFAX: 512/474-7577

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-09-250,848-21

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0., Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MECC:205

; TELEPHONE: 512/418-3000

; TELEFAX: 512/474-7577

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

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; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0., Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MECC:205

; TELEPHONE: 512/418-3000

; TELEFAX: 512/474-7577

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-09-250,848-21

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0., Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/250,848

; FILING DATE:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/980,071

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928</

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OM nucleic - nucleic search, using sw model

Run On: March 9, 2003, 19:08:27 ; Search time 197 Seconds

(without alignments)
8320.180 Million cell updates/sec

Title: US-09-973-827-3

Perfect score: 2454

Sequence: 1 cgcgcggagggtgtatgtg.....tcgtatgtatgtatcat 2454

Scoring table: IDENTITY_NUC

GapPen 10.0 , GapExt 1.0

Searched: 478924 seqs, 33395956 residues

Total number of hits satisfying chosen Parameters: 261222

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
c 1	22	0.9	46	10 US-09-426-548-106	Sequence 106, APP
c 2	22	0.9	47	10 US-09-842-883-13	Sequence 11, APP
c 3	22	0.9	48	10 US-09-842-883-14	Sequence 14, APP
c 4	20.8	0.8	45	10 US-09-838-386-17	Sequence 17, APP
c 5	20.8	0.8	45	10 US-09-838-386-18	Sequence 18, APP
c 6	20.4	0.8	43	9 US-10-027-806-92	Sequence 92, APP
c 7	20.4	0.8	43	9 US-10-034-223-92	Sequence 92, APP
c 8	20.4	0.8	47	10 US-09-901-4848-206	Sequence 206, APP
c 9	20.4	0.8	44	9 US-10-079-523-71	Sequence 71, APP
c 10	20.2	0.8	46	10 US-09-827-289-72	Sequence 22, APP
c 11	20	0.8	48	9 US-09-864-785-323	Sequence 3523, APP
c 12	19.8	0.8	41	10 US-09-729-402-28	Sequence 28, APP
c 13	19.8	0.8	45	10 US-09-921-398-18	Sequence 18, APP
c 14	19.8	0.8	45	10 US-09-263-959-186	Sequence 486, APP
c 15	19.8	0.8	46	9 US-09-792-793A-48	Sequence 55, APP
c 16	19.8	0.8	48	10 US-09-825-005-55	Sequence 50, APP
c 17	19.8	0.8	36	10 US-09-062-113-10	Sequence 127, APP
c 18	19.6	0.8	45	10 US-09-910-059-127	
c 19	19.6	0.8			

ALIGNMENTS

RESULT 1	US-09-426-548-106/C	Query Match	0.9	Score 22;	DB 10;	Length 46;
		Best Local Similarity	73.7%	Score 22;	DB 10;	Length 46;
		Matches	28;	Mismatches	0;	Gaps 0;
		Conservative	0;	Mismatches	10;	Indels 0;
		Patent No.	US20010044936A1			
		GENERAL INFORMATION:				
		Applicant: Robbins, David L.				
		Applicant: Lin-Coore, Jill L.				
		Applicant: Ling, Jessica				
		Title of Invention: Diagnosing Colorectal Cancer				
		File Reference: DEX 054				
		Current Application Number: US/09/426,548				
		Current Filing Date: 1999-10-22				
		Number of SEQ ID Nos: 192				
		Software: PatentIn Ver. 2.0				
		SEQ ID NO: 106				
		Type: DNA				
		Organism: Homo sapiens				
		US-09-426-548-106				
RESULT 2	US-09-442-883-11/C	Query Match	0.9	Score 22;	DB 10;	Length 46;
		Best Local Similarity	73.7%	Score 22;	DB 10;	Length 46;
		Matches	28;	Mismatches	0;	Gaps 0;
		Conservative	0;	Mismatches	10;	Indels 0;
		Patent No.	US2005170A1			
		GENERAL INFORMATION:				
		Applicant: Rovinski, Benjamin				
		Applicant: Tartaglia, James				
		Applicant: Cao, Shi-Xian				
		Applicant: Person, Roy				
		Applicant: Klein, Michel H.				
		Title of Invention: IMMUNIZING AGAINST HIV INFECTION				
		File Reference: 1038-1142 MIS				

CURRENT APPLICATION NUMBER: US/09/842,883
 CURRENT FILING DATE: 2001-04-27
 PRIOR APPLICATION NUMBER: 60/200,011
 NUMBER OF SEQ ID NOS: 19
 SEQ ID NO 13
 SOFTWARE: Patentin Ver. 2.1
 LENGTH: 47
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus
 US-09-842-883-13

Query Match 0.9%; Score 22; DB 10; Length 47;
 Best Local Similarity 73.7%; Pred. No. 5.9e+04;
 Matches 28; Conservative 0; Mismatches 10;
 Indels 0; Gaps 0;
 SEQ ID NO 14
 LENGTH: 48
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus
 US-09-842-883-14

Query Match 0.9%; Score 22; DB 10; Length 47;
 Best Local Similarity 73.7%; Pred. No. 5.9e+04;
 Matches 28; Conservative 0; Mismatches 10;
 Indels 0; Gaps 0;
 SEQ ID NO 14
 LENGTH: 48
 TYPE: DNA
 ORGANISM: Human immunodeficiency virus
 US-09-842-883-14

RESULT 3
 US-09-842-883-14

Sequence 14, Application US/09842883

Patent No. US200205170A1

GENERAL INFORMATION:

APPLICANT: Rovinski, Benjamin

ATTORNEY: Tarcaglia, James

CO-APPLICANT: Cao, Shi Xian

APPLICANT: Persson, Roy

APPLICANT: Klein, Michael H.

TITLE OF INVENTION: IMMUNIZING AGAINST HIV INFECTION

FILE REFERENCE: 1038-1142 MIS

CURRENT APPLICATION NUMBER: US/09/842,883

CURRENT FILING DATE: 2001-04-27

PRIOR APPLICATION NUMBER: 60/200,011

PRIOR FILING DATE: 2000-04-27

NUMBER OF SEQ ID NOS: 19

SEQ ID NO 14

SOFTWARE: Patentin Ver. 2.1

LENGTH: 48

TYPE: DNA

ORGANISM: Human immunodeficiency virus

US-09-842-883-14

Query Match 0.9%; Score 22; DB 10; Length 48;

Best Local Similarity 73.7%; Pred. No. 6e+04;

Matches 28; Conservative 0; Mismatches 10;

Indels 0; Gaps 0;

SEQ ID NO 14

LENGTH: 48

TYPE: DNA

ORGANISM: Human immunodeficiency virus

US-09-842-883-14

RESULT 4
 US-09-838-186-17

Sequence 17, Application US/09838386

Patent No. US2001055156A1

GENERAL INFORMATION:

APPLICANT: Pellezini, Charles

ATTORNEY: Kukolj, George

CO-APPLICANT: Feldman, Robert A.

APPLICANT: Schleper, Christa

CO-APPLICANT: Swanson, Ronald V.

TITLE OF INVENTION: NUCLEIC ACIDS AND PROTEINS FROM CENARCHAUM SYMBIOSUM

FILE REFERENCE: DC0P-002A

CURRENT APPLICATION NUMBER: US/10/027,806

CURRENT FILING DATE: 2001-12-21

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/408,020

PRIOR FILING DATE: EARLIER FILING DATE: 1999-09-29

NUMBER OF SEQ ID NOS: 123

SOFTWARE: RASTSEQ for Windows Version 3.0

SEQ ID NO 92

LENGTH: 43

TYPE: DNA

ORGANISM: Cenarchaeum symbiosum

FEATURE: TATA_signal

NAME/KEY: (11)...(16)

LOCATION: (11)

US-10-027-806-92

Db 2 TAAACATTGATGAACTTACTACAAAGGTCGATTAG 47

RESULT 10
US-10-079-623-71/C
Sequence 71, Application US/10079623

GENERAL INFORMATION:

Patent No. US2002016302A1

APPLICANT: Huukkala, Tikkka J.

APPLICANT: Glenn, Matthew

APPLICANT: Grigor, Murray R.

APPLICANT: Molenaar, Adrian J.

TITLE OF INVENTION: Compositions isolated from bovine

FILE REFERENCE: 11000.10c3

CURRENT APPLICATION NUMBER: US/10/079,623

CURRENT FILING DATE: 2002-02-19

NUMBER OF SEQ ID NOS.: 310

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO: 71

LENGTH: 44

TYPE: DNA

ORGANISM: Bovine

US-10-079-623-71

Query Match

Best Local Similarity 68.3%

Score 20.2; DB 9; Length 44;

Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

RESULT 11

US-09-827-289-22

Sequence 22, Application US/09827289

Patent No. US2003003716A1

GENERAL INFORMATION:

APPLICANT: Abarza, Patricia

TITLE OF INVENTION: Process for Allele Discrimination Using Primer

FILE REFERENCE: 469390-55

CURRENT APPLICATION NUMBER: US/09/827,289

CURRENT FILING DATE: 2001-04-15

PRIOR APPLICATION NUMBER: U.S. 60/194843

PRIOR FILING DATE: 2000-04-05

NUMBER OF SEQ ID NOS.: 35

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 22

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE: OTHER INFORMATION: Description of Artificial Sequence: P1 primer for

OTHER INFORMATION: use in allele discrimination

US-09-827-289-22

Query Match

Best Local Similarity 72.2%

Score 20; DB 10; Length 46;

Matches 26; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

RESULT 12

US-09-864-785-3523

Sequence 3523, Application US/09864785

Patent No. US20020177568A1

GENERAL INFORMATION:

APPLICANT: Stinchcomb, Dan

APPLICANT: Draper, Ken

APPLICANT: McSallygen, Jim

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions F

FILE REFERENCE: 400/022 (MBH00-012-D)

CURRENT FILING DATE: 2001-05-23

NUMBER OF SEQ ID NOS.: 3949

SOFTWARE: PatentIn version 3.0

SEQ ID NO: 3523

LENGTH: 48

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE: OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid

US-09-864-785-3523

Query Match

0.8%; Score 20; DB 9; Length 48;

Best Local Similarity 61.1%; Pred. No. 1.6e+05;

Matches 22; Conservative 4; Mismatches 10; Indels 0; Gaps 0;

QY 438 CAAAGCGAGGAAATTCCTTCAGGAGCCCTCC 473

DB 2 CAAAGCGAGGAAACUCUCUAGGACACUGUCC 37

RESULT 13

US-09-729-402-28/C

Sequence 28, Application US/09729402

Patent No. US20010021379A1

GENERAL INFORMATION:

APPLICANT: Cousins, Lawrence S.

Eberhardt, Christine D.

Gray, Patrick W.

Le Trong, Hai

Tjokar, Larry W.

Wilder, Cheryl L.

TITLE OF INVENTION: Platelet-Activating Factor

NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

ZIP: 60605-6402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/729,402

FILING DATE: 04-Dec-2000

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/318,905

FILING DATE: 06-Oct-1994

APPLICATION NUMBER: US 08/133,803

FILING DATE: 06-Oct-1993

ATTORNEY/AGENT INFORMATION:

NAME: No. US2001001379A1and, Greta E.

REGISTRATION NUMBER: 35,302

REFERENCE/DOCKET NUMBER: 27866/22793

TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 471-6300

TELEFAX: (312) 474-0448

TELELEX: 25-3658

INFORMATION FOR SEQ ID NO: 28:

SEQUENCE CHARACTERISTICS:

LENGTH: 41 base Pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 28
us-09-729-002-28

Patent No. US2002150991A1
GENERAL INFORMATION:
APPLICANT: Hood, Leroy
APPLICANT: Roven, Lee
APPLICANT: Koop, Ben F
TITLE OF INVENTION: D1
NUMBER OF SEQUENCES: 1

Query	Match	Score 19.8;	DB 10;	Length 41;
Best Local Matches	Similarity 69.28;	Pred. No. 1	5e+05;	
27;	Conservative	0;	Mismatches 12;	
			Indels 0;	Gaps 0;
707	tgcaGGAGGCACTAGCGGGTACTACATCTACAGTA	745		
39	tgcaGGAGGCCATTATACATCTGATCATATACTGAAAT	1		

source 1. 50
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone="NBLAN89NF"
 /clone_lib="SigmaGeno Homo sapiens cDNA library"
 /note="Differential display comparison of untreated and
 dimethylfumarate treated U37 cells"

BASE COUNT 8 a 25 g 11 t
 ORIGIN

Query Match Score 44; DB 9; Length 50;
 Best Local Similarity 100.0%; Pred. No. 42;
 Matches 44; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

Qy 1 CGCGCGGAGGTCTTGTACGCCGCTGCTGGGGAGA 44
 Db 7 CGCGGGGGGGGTAGTTGAGCTTGTACGCCGCTGGGGAGA 50

RESULT 2
 AZ661650 LOCUS AZ661650 50 bp DNA Linear GSS14-DEC-2000
 DEFINITION IM054/G23F Mouse 10kb plasmid UGGCM library Mus musculus genomic
 clone UGGCM0543G23 F, DNA sequence.

ACCESSION AZ661650
 VERSION AZ661650.1
 KEYWORDS GSS.

ORGANISM Mus musculus.

REFERENCE 1 (bases 1 to 50)
 Dunn,D., Aoyagi,A., Barber,M., Beacons,T., Hamill,C., Hamill,C.,
 Islam,H., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niedernauern,A.,
 and Wright,D., Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts

JOURNAL unpublished (2000)
 COMMENT Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunngenetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 503 Row: G Column: 23
 Seq primer: CGTTGTAACACGCGCCAGT
 Class: Plasmid ends
 High quality sequence stop: 50.

FEATURES source
 1. 50
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UCCIM054G23"
 /clone_lib="Mouse 10kb Plasmid UGGCM library"
 /sex="Male"

/lab, host="E. Coli strain XL10-Gold, T1 resistant, F-"
 /note="Vector: PW42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (<http://www.jax.org/resources/documents/dnare/>). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative

BASE COUNT 15 a 17 c 5 g 13 t
 ORIGIN

Query Match Score 22.8; DB 17; Length 50;
 Best Local Similarity 71.4%; Pred. No. 1.6e+06;
 Matches 30; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 795 GTTGTTCAGCTGCTCCCTGGAGCTACAAACATCCGATT 836
 Db 1 GTCITGACATCTGGACCTACACATACACATACAGATT 42

RESULT 3
 AU014208/c LOCUS AU014208 46 bp mRNA 1 linear EST 03-AUG-1998
 DEFINITION Schizosaccharomyces pombe late log phase cDNA
 Schizosaccharomyces pombe cDNA clone spc09381, mRNA sequence.

ACCESSION AU014208
 VERSION AU014208.1
 KEYWORDS EST.

SOURCE Schizosaccharomyces pombe
 Schizosaccharomyces pombe
 Eukaryota; Fungi; Ascomycota; Schizosaccharomyces;
 Schizosaccharomyces; Schizosaccharomyctaceae;

ORGANISM Schizosaccharomyces pombe

REFERENCE 1 (bases 1 to 46)
 Morimoto,M. and Mita,K.

AUTHORS Morimoto,M. and Mita,K.

TITLE Identification of expressed sequence tags of Schizosaccharomyces pombe

JOURNAL Unpublished (1998)
 COMMENT Contact: Mitsuaki Morimoto
 Genome Research Group
 National Institute of Radiological Sciences
 9-3, Anagawa-4-chome, Inage-ku, Chiba, Chiba 263-8555, Japan
 Email: morimoto@rs.go.jp
 Location/Qualifiers 1. 46
 /organism="Schizosaccharomyces pombe"
 /strain="972"
 /db_xref="Taxon:4896"
 /clone="spc09381"
 /sex="h minus"
 /note="Vector: M13mp19. The cDNA library of
 Schizosaccharomyces pombe was prepared by cloning cDNA
 into the small site of M13mp19 DNA and the direction of DNA
 sequences was not always from 5' to 3'. The cDNA data of
 Schizosaccharomyces pombe are available for searching on
 the World Wide Web. (<http://www.nirs.go.jp/>)"

BASE COUNT 22 a 5 c 3 g 13 t
 ORIGIN

Query Match Score 22.6; DB 9; Length 46;
 Best Local Similarity 67.4%; Pred. No. 1.8e+06;
 Matches 31; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 2122 TTATGAAATGTTACATGTTAGAAATACTGATTAAATATTC 2167
 Db 46 TTATGAAATGTTACATGTTAGAAATACTGATTAAATATTC 1

RESULT 4
 AZ361863/c LOCUS AZ361863 48 bp DNA linear GSS 02-OCT-2000
 DEFINITION IM10687R Mouse 10kb Plasmid UGGCM library Mus musculus genomic
 clone UGGCM0108B17 R, DNA sequence.

ACCESSION	AZ361863	VERSION	AU014238	ACCESSION	AU014238	VERSION	AU014238.1
KEYWORDS	GSS	GR:10475563	GR:3369029	KEYWORDS	EST	EST	EST
SOURCE	house mouse			SOURCE	fusion yeast		
ORGANISM	Mus musculus			ORGANISM	Schizosaccharomyces pombe		
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.				ORGANISM	Eukaryota; Fungi; Ascomycota; Schizosaccharomyces; Schizosaccharomyces; Schizosaccharomycetes; Schizosaccharomyctaceae;		
REFERENCE	1 (bases 1 to 48)			REFERENCE	1 (bases 1 to 46)		
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beardon,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,N., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.			AUTHORS	Morimoto,M. and Mita,K.		
TITLE	Mouse whole genome scaffolding with paired end reads from 10 kb plasmid inserts			TITLE	Identification of expressed sequence tags of Schizosaccharomyces pombe		
JOURNAL	Unpublished (2000)			JOURNAL	Unpublished (1998)		
COMMENT	Contact: Robert B. Weiss University of Utah Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA			COMMENT	Contact: Mitsuaki Morimoto Genome Research Group National Institute of Radiological Sciences 9-1, Anagawa-4 chome, Inage-ku, Chiba, Chiba 263-8555, Japan		
FEATURES	source			FEATURES	source		
BASE COUNT	22 a	ORIGIN	22 a	BASE COUNT	22 a	ORIGIN	22 a
ORIGIN	5 c		3 g	ORIGIN	5 c		3 g
RESULT	6	REFERENCE	1	RESULT	6	REFERENCE	1
LOCUS	AAS45213/c	LOCUS	AAS45213	LOCUS	AAS45213	LOCUS	AAS45213
DEFINITION	AA465213_v13e1.rl Knowles Soliter mouse 2 cell Mus musculus cDNA clone IMAGE:944684 3', mRNA sequence.	DEFINITION	AA465213_v13e1.rl Knowles Soliter mouse 2 cell Mus musculus cDNA clone IMAGE:944684 3', mRNA sequence.	DEFINITION	AA465213_v13e1.rl Knowles Soliter mouse 2 cell Mus musculus cDNA clone IMAGE:944684 3', mRNA sequence.	DEFINITION	AA465213_v13e1.rl Knowles Soliter mouse 2 cell Mus musculus cDNA clone IMAGE:944684 3', mRNA sequence.
ACCESSION	QY 2122	ACCESSION	QY 2122	ACCESSION	QY 2122	ACCESSION	QY 2122
VERSION	AA465213.1	VERSION	AA465213.1	VERSION	AA465213.1	VERSION	AA465213.1
ORGANISM	Mus musculus	ORGANISM	Mus musculus	ORGANISM	Mus musculus	ORGANISM	Mus musculus
FEATURES	source	FEATURES	source	FEATURES	source	FEATURES	source
BASE COUNT	10 a	ORIGIN	10 a	BASE COUNT	10 a	ORIGIN	10 a
ORIGIN	13 c		13 c	ORIGIN	13 c		13 c
RESULT	5	REFERENCE	5	RESULT	5	REFERENCE	5
LOCUS	AU014238/c	LOCUS	AU014238	LOCUS	AU014238	LOCUS	AU014238
DEFINITION	AGAAACAGAAGTGCGACTGCTGAAATTACAGAGCA 1046	DEFINITION	AGAAACAGAAGTGCGACTGCTGAAATTACAGAGCA 1046	DEFINITION	AGAAACAGAAGTGCGACTGCTGAAATTACAGAGCA 1046	DEFINITION	AGAAACAGAAGTGCGACTGCTGAAATTACAGAGCA 1046
Query Match	0.9%	Query Match	0.9%	Query Match	0.9%	Query Match	0.9%
Best Local Similarity	7.5%	Best Local Similarity	7.5%	Best Local Similarity	7.5%	Best Local Similarity	7.5%
Matches	29;	Matches	29;	Matches	29;	Matches	29;
Conservative	0;	Mismatches	11;	Indels	0;	Gaps	0;
BASE COUNT	42	ORIGIN	42	BASE COUNT	42	ORIGIN	42
ORIGIN	AGATATAAGGGCGACTCTGTACATCCTAGTAAAGCCA 3	ORIGIN	AGATATAAGGGCGACTCTGTACATCCTAGTAAAGCCA 3	ORIGIN	AGATATAAGGGCGACTCTGTACATCCTAGTAAAGCCA 3	ORIGIN	AGATATAAGGGCGACTCTGTACATCCTAGTAAAGCCA 3
RESULT	5	REFERENCE	5	RESULT	5	REFERENCE	5
LOCUS	AU014238	DEFINITION	AU014238	LOCUS	AU014238	DEFINITION	AU014238
DEFINITION	Schizosaccharomyces pombe cDNA clone spc09421, mRNA sequence.	DEFINITION	Schizosaccharomyces pombe cDNA clone spc09421, mRNA sequence.	DEFINITION	Schizosaccharomyces pombe cDNA clone spc09421, mRNA sequence.	DEFINITION	Schizosaccharomyces pombe cDNA clone spc09421, mRNA sequence.
Query Match	45 bp	Query Match	45 bp	Query Match	45 bp	Query Match	45 bp
Best Local Similarity	linear	Best Local Similarity	linear	Best Local Similarity	linear	Best Local Similarity	linear
Matches	03-AUG-1998	Matches	03-AUG-1998	Matches	03-AUG-1998	Matches	03-AUG-1998
Conservative		Conservative		Conservative		Conservative	
BASE COUNT	4444	ORIGIN	4444	BASE COUNT	4444	ORIGIN	4444
ORIGIN	Forest Park Parkway, Box 8501, St. Louis, MO 63108	ORIGIN	Forest Park Parkway, Box 8501, St. Louis, MO 63108	ORIGIN	Forest Park Parkway, Box 8501, St. Louis, MO 63108	ORIGIN	Forest Park Parkway, Box 8501, St. Louis, MO 63108
RESULT	1800	REFERENCE	1800	RESULT	1800	REFERENCE	1800
LOCUS	Fax: 314 286 1800	DEFINITION	Fax: 314 286 1800	LOCUS	Fax: 314 286 1800	DEFINITION	Fax: 314 286 1800
DEFINITION	Email: mouseest@wustl.edu	DEFINITION	Email: mouseest@wustl.edu	DEFINITION	Email: mouseest@wustl.edu	DEFINITION	Email: mouseest@wustl.edu
	This clone is available royalty-free through LiNL; contact the IMAGE Consortium (info@image.lnl.gov) for further information.						

Plants (T1) which were transformed with the T-DNA from vector PAC161. The lines contain one or more T-DNA insertions. The DNA fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion. Sequences displaying significant similarity to the *A. thaliana* nuclear genome sequence were processed for submission. T-DNA derived sequences were removed.

BASE COUNT	ORIGIN	10 a	13 c	3 g	18 t
Query Match	0.9%	Score 21.6;	DB 17;	Length 44;	
Best Local Similarity	70.7%	Pred. No. 2.7e-06;			
Matches	29;	Conservative	0;	Mismatches	12;
		Indels	0;	Gaps	0;
Qy	1516	CATGATAAAGTAAAGTAAAGTCGAAAGAGGTGTGATT	1556		
Db	41	CATGATACAGAGAGGATGAAAGGAGTCAAGTAAAGTAAAGT	1		

RESULT 9	A282050/c	A2820550	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus genomic	GSS 20-FEB-2001
LOCUS	46 bp	DNA	linear			
DEFINITION	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus	genomic		
CLONE	uGGC2M0092M18 R.	DNA sequence.				
ACCESSION	A2820550					
KEYWORDS	A2820550.1	GI:12990458				
GSS,						
SOURCE	house mouse.					
ORGANISM	Mus musculus					
REFERENCE	Bukayoya; Metzora; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; 1. (bases 1 to 46)					
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Isam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederauern,A. and Wright,D., Reiss,R.					
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb Plasmid inserts					
JOURNAL	Unpublished (2000)					
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center University of Utah Rm. 300, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT Tel.: 801.585.5606 Fax: 801.585.7177 Email: dwonggenetics.utah.edu					
FEATURES	Insert Length: 10000 Std Error: 0.00					
source	Plate: 0092 row: M column: 18					
	Seq primer: CACAGAAACAGCTATGCC					
	Class: Plasmid ends					
	High quality sequence stop: 46.					
	Location/Qualifiers					
	1..46					
	/organism="Mus musculus"					
	/strain="C57BL/6J"					
	/db-xref="taxon:10990"					
	/clone="UUGC2M0092M18"					
	/sex="Male"					
	/clones="1111" "Mouse '20kb Plasmid UGGC1M library"					
	/lab-host="E. Coli strain XL10-Gold; T1-resistant, F-					
	/note="Vector: pMD42nv; Purified genomic DNA from <i>M. musculus</i> C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA Polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel					

RESULT 9	A282050/c	A2820550	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus genomic	GSS 20-FEB-2001
LOCUS	46 bp	DNA	linear			
DEFINITION	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus	genomic		
CLONE	uGGC2M0092M18 R.	DNA sequence.				
ACCESSION	A2820550					
KEYWORDS	A2820550.1	GI:12990458				
GSS,						
SOURCE	house mouse.					
ORGANISM	Mus musculus					
REFERENCE	Bukayoya; Metzora; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; 1. (bases 1 to 46)					
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Isam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederauern,A. and Wright,D., Reiss,R.					
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb Plasmid inserts					
JOURNAL	Unpublished (2000)					
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center University of Utah Rm. 300, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT Tel.: 801.585.5606 Fax: 801.585.7177 Email: dwonggenetics.utah.edu					
FEATURES	Insert Length: 10000 Std Error: 0.00					
source	Plate: 0092 row: M column: 18					
	Seq primer: CACAGAAACAGCTATGCC					
	Class: Plasmid ends					
	High quality sequence stop: 46.					
	Location/Qualifiers					
	1..46					
	/organism="Mus musculus"					
	/strain="C57BL/6J"					
	/db-xref="taxon:10990"					
	/clone="UUGC2M0092M18"					
	/sex="Male"					
	/clones="1111" "Mouse '20kb Plasmid UGGC1M library"					
	/lab-host="E. Coli strain XL10-Gold; T1-resistant, F-					
	/note="Vector: pMD42nv; Purified genomic DNA from <i>M. musculus</i> C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA Polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel					
RESULT 9	A282050/c	A2820550	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus genomic	GSS 20-FEB-2001
LOCUS	46 bp	DNA	linear			
DEFINITION	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus	genomic		
CLONE	uGGC2M0092M18 R.	DNA sequence.				
ACCESSION	A2820550					
KEYWORDS	A2820550.1	GI:12990458				
GSS,						
SOURCE	house mouse.					
ORGANISM	Mus musculus					
REFERENCE	Bukayoya; Metzora; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; 1. (bases 1 to 46)					
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Isam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederauern,A. and Wright,D., Reiss,R.					
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb Plasmid inserts					
JOURNAL	Unpublished (2000)					
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center University of Utah Rm. 300, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT Tel.: 801.585.5606 Fax: 801.585.7177 Email: dwonggenetics.utah.edu					
FEATURES	Insert Length: 10000 Std Error: 0.00					
source	Plate: 0092 row: M column: 18					
	Seq primer: CACAGAAACAGCTATGCC					
	Class: Plasmid ends					
	High quality sequence stop: 46.					
	Location/Qualifiers					
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	/strain="C57BL/6J"					
	/db-xref="taxon:10990"					
	/clone="UUGC2M0092M18"					
	/sex="Male"					
	/clones="1111" "Mouse '20kb Plasmid UGGC1M library"					
	/lab-host="E. Coli strain XL10-Gold; T1-resistant, F-					
	/note="Vector: pMD42nv; Purified genomic DNA from <i>M. musculus</i> C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA Polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel					
RESULT 9	A282050/c	A2820550	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus genomic	GSS 20-FEB-2001
LOCUS	46 bp	DNA	linear			
DEFINITION	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus	genomic		
CLONE	uGGC2M0092M18 R.	DNA sequence.				
ACCESSION	A2820550					
KEYWORDS	A2820550.1	GI:12990458				
GSS,						
SOURCE	house mouse.					
ORGANISM	Mus musculus					
REFERENCE	Bukayoya; Metzora; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; 1. (bases 1 to 46)					
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Isam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederauern,A. and Wright,D., Reiss,R.					
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb Plasmid inserts					
JOURNAL	Unpublished (2000)					
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center University of Utah Rm. 300, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT Tel.: 801.585.5606 Fax: 801.585.7177 Email: dwonggenetics.utah.edu					
FEATURES	Insert Length: 10000 Std Error: 0.00					
source	Plate: 0092 row: M column: 18					
	Seq primer: CACAGAAACAGCTATGCC					
	Class: Plasmid ends					
	High quality sequence stop: 46.					
	Location/Qualifiers					
	1..46					
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	/clones="1111" "Mouse '20kb Plasmid UGGC1M library"					
	/lab-host="E. Coli strain XL10-Gold; T1-resistant, F-					
	/note="Vector: pMD42nv; Purified genomic DNA from <i>M. musculus</i> C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA Polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel					
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DEFINITION	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus	genomic		
CLONE	uGGC2M0092M18 R.	DNA sequence.				
ACCESSION	A2820550					
KEYWORDS	A2820550.1	GI:12990458				
GSS,						
SOURCE	house mouse.					
ORGANISM	Mus musculus					
REFERENCE	Bukayoya; Metzora; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; 1. (bases 1 to 46)					
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Isam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederauern,A. and Wright,D., Reiss,R.					
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JOURNAL	Unpublished (2000)					
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FEATURES	Insert Length: 10000 Std Error: 0.00					
source	Plate: 0092 row: M column: 18					
	Seq primer: CACAGAAACAGCTATGCC					
	Class: Plasmid ends					
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	Location/Qualifiers					
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LOCUS	46 bp	DNA	linear			
DEFINITION	2M0092M18R	Mouse 10kb Plasmid uggc1M library	mus musculus	genomic		
CLONE	uGGC2M0092M18 R.	DNA sequence.				
ACCESSION	A2820550					
KEYWORDS	A2820550.1	GI:12990458				
GSS,						
SOURCE	house mouse.					
ORGANISM	Mus musculus					
REFERENCE	Bukayoya; Metzora; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; 1. (bases 1 to 46)					
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Isam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederauern,A. and Wright,D., Reiss,R.					
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb Plasmid inserts					
JOURNAL	Unpublished (2000)					
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center University of Utah Rm. 300, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT Tel.: 801.585.5606 Fax: 801.585.7177 Email: dwonggenetics.utah.edu					
FEATURES	Insert Length: 10000 Std Error: 0.00					
source	Plate: 0092 row: M column: 18					
	Seq primer: CACAGAAACAGCTATGCC					
	Class: Plasmid ends					
	High quality sequence stop: 46.					
	Location/Qualifiers					
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	/sex="Male"					
	/clones="1111" "Mouse '20kb Plasmid UGGC1M library"					
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	/note="Vector: pMD42nv; Purified genomic DNA from <i>M. musculus</i> C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA Polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel					</td

LOCUS	AVB51679	46 bp	mRNA	1	linear	EST 08 - NOV-2001	FEATURES	source
DEFINITION	AVB51679 Nori Satoh unpublished cDNA library, larva Ciona intestinalis cdNA clone rcilv05b16 3', mRNA sequence.							
ACCESSION	AVB51679							
VERSION	AVB51679.1							
KEYWORDS	EST.							
ORGANISM	<i>Ciona intestinalis</i>							
SOURCE	<i>Ciona intestinalis</i> Eukaryota; Metazoa; Chordata; Urochordata; Ascidiacea; Enterogona; Phlebobranchia; Cionidae; Ciona.							
REFERENCE	1 (bases 1 to 46)							
AUTHORS	Satoh, N., Satou, Y., Kohara, Y. and Shinr-i, T.							
TITLE	Expressed genes in <i>Ciona intestinalis</i>							
JOURNAL	Unpublished (2000)							
COMMENT	Contact: Nori Satoh Department of Zoology Kyoto University Sakyo-ku, Kyoto, Kyoto 606-8502, Japan Tel: 81-75-753-1081 Fax: 81-75-705-1113 Email: satohascidian.zool.kyoto-u.ac.jp.							
FEATURES	1 .. 46							
SOURCE	<i>Ciona intestinalis</i> /organism="Ciona intestinalis" /db_xref="taxon:7719" /clone="rcilv05b16" /clone_lib="Nori Satoh unpublished cDNA library, larva" /tissue_type="Whole animal" /dev_stage="larva" /note="vector: pBluescript SK"							
BASE COUNT	18 a 11 c 5 g 11 t							
ORIGIN	1 others							
Query Match	0.9%	Score 21.4;	DB 10;	Length 46;				
Best Local Similarity	70.0%	Pred. No. 3.2e+06;						
Matches	28	Conservative 0;	Mismatches 12;	Indels 0;	Gaps 0;			
QY	2087	CAAGTGTAAATAAGAAAGTATAATTGTTAT		2126				
DB	45	CATGATGTCNTTATCGAGGGATACAGNTTGTAT		6				
RESULT	12							
LOCUS	A2638328	43 bp	DNA	1	linear	GSS13-DEC-2000	FEATURES	source
DEFINITION	1M049810F Mouse 10kb Plasmid cDNA library Mus musculus genomic clone UGCLM049810 F, DNA sequence.							
ACCESSION	A2638328							
KEYWORDS								
SOURCE	house mouse.							
ORGANISM	<i>Mus musculus</i>							
REFERENCE	1 (bases 1 to 43)							
AUTHORS	Dunn, D., Aoyagi, A., Barber, M., Beacons, T., Cuval, B., Hanif, C., Ismail, B., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stohs, R., Tingey, A., von Niederauern, A. and Wright, D. Weiss, R.							
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts							
JOURNAL	Unpublished (2000)							
COMMENT	Contact: Robert B. Weiss University of Utah Genome Center Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT Tel: 801 585 5606 Fax: 801 585 2177 Email: ddunne@genetics.utah.edu Insert Length: 10000 Std Error: 0.00 Plate: 0498 Row: I column: 10 , Seq primer: CGTGTAAACCCGCCAGT							
RESULT	13							
LOCUS	A014228/c	45 bp	mRNA	1	linear	BST 03-AUG-1988	FEATURES	source
DEFINITION	AU014228 Schizosaccharomyces pombe late log phase cDNA sequence.							
ACCESSION	A014228							
KEYWORDS								
SOURCE	fission yeast.							
ORGANISM	<i>Schizosaccharomyces pombe</i>							
REFERENCE	1 (bases 1 to 45)							
AUTHORS	Morimyo, M. and Mita, K.							
TITLE	Identification of expressed sequence tags of <i>Schizosaccharomyces pombe</i>							
JOURNAL	Unpublished (1998)							
COMMENT	Contact: Matsuoki Morimyo Genome Research Group National Institute of Radiological Sciences 9-1, Anagawa-4-chome, Inage-Ku, Chiba, Chiba 263-8555, Japan Email: morimyo@nirs.go.jp /organism="Schizosaccharomyces pombe" /strain="972" /db_xref="taxon:4896" /clone="spc0940" /clone_lib="Schizosaccharomyces pombe late log phase cDNA" /seq="h minus"							

/note- "vector: M3mp19; The cDNA library of *Schizosaccharomyces pombe* was prepared by cloning cDNA into the Smal site of M3mp19 DNA and the direction of DNA sequences was not always from 5' to 3'. The cDNA data of *Schizosaccharomyces pombe* are available for searching on the World Wide Web. (URL: <http://www.nirs.go.jp>)." 21 a 5 c 3 g 14 2 others

Eukaryota: Fungi: Ascomycota: Pneumocystidomycetes:
Pneumocystididae: Pneumocystis.
 1 (bases 1 to 50)
 Smulian, A.G.; Arnold, J.; Weise, M.; Wunderlich, J.; S.
 J.C.; Kovacs, J. and Cushion, M.
 Expressed sequence tags from *Pneumocystis carinii*
 unpublished (2000)

BASE COUNT	21	the World Wide Web. (URL, http://www.nirs.go.jp) ^a
ORIGIN	21 a	5 c
	3 g	14 t
	2 others	2 others

RESULT 14
AV97975
LOCUS AV97975
DEFINITION AV97975 Nori Sato unpublished 46 bp rRNA linear EST 14-MAR-2002
INVESTIGATOR Cliona intestinalis cDNA library, young adult Cliona
KEYWORDS AV97975 clone cia050102 5', rRNA sequence.
ACCESSION AV97975.1
VERSION GI:19425734
EST.
SOURCE Ciona intestinalis.
KEYWORDS Ciona intestinalis.
ORGANISM Eularystota; Metacoa; Chordata; Urochordata; Ascidiaceae; Enterogona;

REFERENCE
1 (bases 1 to 46)
AUTHORS
Sato, N., Satoh, Y., Kchara, Y. and Shin-i, T.
TITLE
Expressed genes in *Cicna intestinalis*
JOURNAL
Unpublished (2000)
COMMENT
Contact: Nori-
Satoh
Department of
Zoology
Kyoto University
Kyoto, Kyoto 606-8502, Japan
Tel: 81-75-753-4081

Email: sato@ascidian.zoo.kyoto-u.ac.jp.

Source	1. .4b /organism="Ciona intestinalis" /db_xref="taxon:7719" /clone="cida05127"
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ACCESSION	AW331744
VERSION	AW331744.1
KEYWORDS	EST.
SOURCE	Pneumocystis carinii f. sp. carinii
ORGANISM	Pneumocystis carinii f. sp. carinii

Eukaryota: Fungi; Ascomycota; Pneumocystidomycetes;
 Pneumocystidaceae: Pneumocystis.
 1 (bases 1 to 50)
 Smulian, A.G.; Arnold, J.J.; Weise, M.; Wunderlich, J.; Staben, C.; Edman, J.C.; Kovacs, J. and Cushion, M.
 Unpublished sequence tags from *Pneumocystis carinii*
 Unpublished (2000)

TITLE JOURNAL COMMENT	Expressed sequence tags from <i>Pneumocystis carinii</i> Unpublished (2000) Contact: Stephen C School of Biological Sciences University of Kentucky 101 Morgan Building, University of Kentucky, Lexington, KY 40506-0225, USA tel: 606 257 2161 Fax: 606 257 1217 Email: stabene@pop.uky.edu .
FEATURES	Location/Qualifiers

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 /db_xref="taxon:38081".
 /clone.lib="AGS-1".
 /lab_host="E. coli".
 /note="Vector: Lambda ZAP II; Site_1: ECOLI; Site_2: XbaI
P. carinii organisms (3x10⁹) from a single rat (99-1-6,
 sacrificed on 3/17/99) at Cincinnati VA facilities.
 Trizol extracted RNA. Oligo dT Priming, standard
 conditions described by vendor, Stratagene. Further
 details see www.uky.edu/Project/pneumocystis/

Job time : 3114 secs